

DP-305388

APPARATUS AND METHOD FOR CONNECTING
CELLS OF A BATTERY

ABSTRACT

A battery having a battery housing defining a receiving area, the housing is configured to receive and engage a plurality of cells each having a cell housing and a cell element received and engaged within each of the cell housings. The cell element has a plurality of positive plates each having a positive tab portion depending outwardly from a periphery, a plurality of negative plates each having a negative tab portion depending outwardly from a periphery, and a nonconductive separator disposed in between the plurality of positive plates and the plurality of negative plates. A positive plate having a positive post is secured to each of the positive tab portions and a negative plate having a negative post is secured to each of the negative tab portions. An inner cover is inserted into the housing after the cells are inserted therein and the inner cover is configured to cover the positive and negative plates while allowing a portion of the positive and negative posts to pass therethrough. The posts are then electrically secured to each other.

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